Agilent 5973 GC-MSD Troubleshooting and Maintenance

Agilent Chemical Analysis Training Courses

H2294A

Three Days
Hands-On Operation

Description

Focuses on the fundamentals of how to maintain the Agilent 5973 GC-MSD system in top condition and how to troubleshoot problems.

Students learn when and how to perform maintenance and how to ensure system reliability and validity of results.

Course Outline

Day One

- Introduction to 5973 GC-MSD Troubleshooting and Maintenance Tunes and Diagnostics
- Lab Exercise: Benchmark Performance Tests
- 6890 Gas Chromatograph Considerations
- Lab Exercise: 6890 GC Maintenance

Day Two

- 5973 MSD Vacuum System
- Lab Exercise: 5973 MSD Vacuum System Maintenance
- 5973 MSD Ion Source
- Lab Exercise: Ion Source Maintenance
- 5973 MSD Quadrupole Mass Filter
- 5973 MSD Detector
- Lab Exercise: Mass Filter and Detector Maintenance

Day Three

- Lab Exercise: Miscellaneous Maintenance
- Lab Exercise: "Bug" Lab Final Exam

Prerequisites

Fundamental knowledge of GC-MS and three to six months of experience in operating the Agilent 5973 GC-MS

Student Profile

A user of the Agilent 5973 GC-MSD who has a fundamental knowledge of gas chromatography spectrometry and who is responsible for routine maintenance of the system.

Equipment Used during Training

- Agilent 6890-5973 GC-MSD
- G17001CA/Microsoft® Windows® NT

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